

Title (en)
CORN SWEET STEEPING

Title (de)
MAISSÜSSEINWEICHUNG

Title (fr)
TREMPAGE DE SUCRÉ À BASE DE MAÏS

Publication
EP 4125409 A1 20230208 (EN)

Application
EP 21719494 A 20210326

Priority
• US 202063000067 P 20200326
• US 2021024437 W 20210326

Abstract (en)
[origin: WO2021195541A1] Described is a process for releasing soluble starch hydrolysates or hydrolysed starch syrup from substantially intact corn kernels during high temperature steeping at a temperature at or above the gelatinization temperature of starch in the corn kernels, and the recovery of protein and oil-enhanced, carbohydrate-depleted residuals that are ideally suited for use as high quality animal feed or other food-grade products.

IPC 8 full level
A23J 1/12 (2006.01); **A23K 10/30** (2006.01); **C11B 1/02** (2006.01); **C13K 1/06** (2006.01)

CPC (source: EP US)
A23D 9/04 (2013.01 - US); **A23J 1/125** (2013.01 - EP US); **A23K 10/38** (2016.05 - EP US); **A23L 29/35** (2016.07 - US); **C11B 13/00** (2013.01 - EP); **C12P 19/02** (2013.01 - US); **C12P 19/14** (2013.01 - US); **C13K 1/06** (2013.01 - EP US); **Y02E 50/10** (2013.01 - EP); **Y02P 60/87** (2015.11 - EP); **Y02W 30/74** (2015.05 - EP)

Citation (search report)
See references of WO 2021195541A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
WO 2021195541 A1 20210930; BR 112022019322 A2 20221206; CA 3173355 A1 20210930; CN 115666258 A 20230131; EP 4125409 A1 20230208; US 2023131928 A1 20230427

DOCDB simple family (application)
US 2021024437 W 20210326; BR 112022019322 A 20210326; CA 3173355 A 20210326; CN 202180038093 A 20210326; EP 21719494 A 20210326; US 202117913941 A 20210326